

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ US

# PCT

## CHAPTER II

### DEMAND

under Article 31 of the Patent Cooperation Treaty:  
The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only		
Identification of IPEA		Date of receipt of DEMAND
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b>		Applicant's or agent's file reference <b>19957-168-3P</b>
International application No. <b>PCT/US2005/003856</b>	International filing date (day/month/year) <b>04 February 2005 (04.02.2005)</b>	(Earliest) Priority date (day/month/year) <b>04 February 2004 (04.02.2004)</b>
Title of invention <b>METHODS OF REFOLDING MAMMALIAN GLYCOSYLTRANSFERASES</b>		
<b>Box No. II APPLICANT(S)</b>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) <b>NEOSE TECHNOLOGIES, INC. 102 Witmer Road Horsham, Pennsylvania 19044 United States of America</b>		Telephone No. <b>215.773.6984</b>
		Facsimile No. <b>215.773.6983</b>
		Teleprinter No.
		Applicant's registration No. with the Office
State (that is, country) of nationality: <b>US</b>		State (that is, country) of residence: <b>US</b>
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) <b>SARIBAS, Sami 424 E. Church Lane Philadelphia, Pennsylvania 19144 United States of America</b>		
State (that is, country) of nationality: <b>TR</b>		State (that is, country) of residence: <b>US</b>
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) <b>HAKES, David 14 Fern Avenue Willow Grove, Pennsylvania 19090 United States of America</b>		
State (that is, country) of nationality: <b>US</b>		State (that is, country) of residence: <b>US</b>
<input checked="" type="checkbox"/> Further applicants are indicated on a continuation sheet.		

**Continuation of Box No. II APPLICANT(S)***If none of the following sub-boxes is used, this sheet should not be included in the demand.*Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

WILLETT, Scott  
3820 Comley Street  
Doylestown, Pennsylvania 19801  
United States of America

State *(that is, country)* of nationality:  
USState *(that is, country)* of residence:  
USName and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

JOHNSON, Karl F.  
5320 Ivystream Road  
Hatboro, Pennsylvania 19040  
United States of America

State *(that is, country)* of nationality:  
USState *(that is, country)* of residence:  
USName and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

BEZILA, Daniel James  
715 Red Lion Road, 2nd Floor  
Philidelphia, Pennsylvania 19115

State *(that is, country)* of nationality:  
USState *(that is, country)* of residence:  
USName and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

DEFREES, Shawn  
126 Filly Drive  
North Wales, Pennsylvania 19454

State *(that is, country)* of nationality:  
USState *(that is, country)* of residence:  
US☐ Further applicants are indicated on another continuation sheet.

**Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: *(Family name followed by given name; for a legal entity, full official designation.  
The address must include postal code and name of country.)*KELLY, Beth L.  
Townsend and Townsend and Crew LLP  
Two Embarcadero Center, 8th Floor  
San Francisco, CA 94111-3834

Telephone No.

415.576.0200

Facsimile No.

415.576.0300

Teleprinter No.

Agent's registration No. with the Office

51,868

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:\***

1. The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filedthe description ☐ as originally filed☒ as amended under Article 34the claims ☒ as originally filed☐ as amended under Article 19 (together with any accompanying statement)☐ as amended under Article 34the drawings ☐ as originally filed☒ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ Where the IPEA wishes to start the international preliminary examination at the same time as the international search in accordance with Rule 69.1(b), the applicant requests the IPEA to postpone the start of the international preliminary examination until the expiration of the applicable time limit under Rule 69.1(d).4. ☒ The applicant expressly wishes the international preliminary examination to start earlier than at the expiration of the applicable time limit under Rule 54bis.1(a).

\* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search.☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**

The filing of this demand constitutes the election of all Contracting States which are designated and are bound by Chapter II of the PCT.

**Box No. VI CHECK LIST**

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |       |        |
|--|---|-------|--------|
| 1. translation of international application                              | : | _____ | sheets |
| 2. amendments under Article 34   | : | 24    | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | _____ | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : | _____ | sheets |
| 5. letter  | : | 1     | sheets |
| 6. other ( <i>specify</i> )  | : | _____ | sheets |

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Examining Authority use only

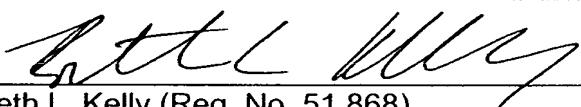
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<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet                             | 5. <input type="checkbox"/> statement explaining lack of signature  |
| 2. <input type="checkbox"/> original separate power of attorney                          | 6. <input checked="" type="checkbox"/> sequence listing in electronic form                                  |
| 3. <input type="checkbox"/> original general power of attorney                           | 7. <input type="checkbox"/> tables in electronic form related to a sequence listing                         |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 8. <input checked="" type="checkbox"/> other ( <i>specify</i> ): Diskette, Statement, Transmittal, Postcard |

**Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

  
Beth L. Kelly (Reg. No. 51,868)  
TOWNSEND AND TOWNSEND AND CREW LLP  
Applicants' Agent

**For International Preliminary Examining Authority use only**

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

- |  |  |
|--|--|
| 3. <input type="checkbox"/> The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.<br><input type="checkbox"/> The applicant has been informed accordingly. | 6. <input type="checkbox"/> The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54bis.1(a) and item 7 or 8, below, does not apply.                        |
| 4. <input type="checkbox"/> The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.   | 7. <input type="checkbox"/> The date of receipt of the demand is WITHIN the time limit under Rule 54bis.1(a) as extended by virtue of Rule 80.5.   |
| 5. <input type="checkbox"/> Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.   | 8. <input type="checkbox"/> Although the date of receipt of the demand is after the expiration of the time limit under Rule 54bis.1(a), the delay in arrival is EXCUSED pursuant to Rule 82. |

**For International Bureau use only**

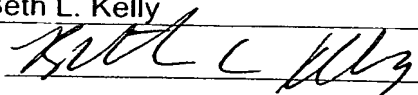
Demand received from IPEA on:

# PCT

## CHAPTER II

### FEE CALCULATION SHEET

#### Annex to the Demand

International application No. <b>PCT/US2005/003856</b>	For International Preliminary Examining Authority use only
Applicant's or agent's file reference <b>19957-168-3P</b>	Date stamp of the IPEA
Applicant <b>NEOSE TECHNOLOGIES, INC.</b>	
<b>CALCULATION OF PRESCRIBED FEES</b>	
1. Preliminary examination fee .....	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">600.00</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 5px; margin-left: 5px;">P</div>
2. Handling fee ( <i>Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.</i> ) .....	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">173.00</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 5px; margin-left: 5px;">H</div>
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">773.00</div>
<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">TOTAL</div>	
<b>MODE OF PAYMENT</b>	
<input checked="" type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash
<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps
<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons
<input type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):
<b>AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT</b> <i>(This mode of payment may not be available at all IPEAs)</i>	
<input checked="" type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ <u>US</u>
<input checked="" type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit accounts of the IPEA so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit Account No.: <u>20-1430</u>
	Date: <u>26 May 2005</u>
	Name: <u>Beth L. Kelly</u>
	Signature: 

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## FEE CALCULATION SHEET

## Annex to the Demand

International application No. <b>PCT/US2005/003856</b>	For International Preliminary Examining Authority use only
Applicant's or agent's file reference <b>19957-168-3P</b>	Date stamp of the IPEA
Applicant <b>NEOSE TECHNOLOGIES, INC.</b>	
<div style="font-size: 4em; opacity: 0.3; transform: rotate(-15deg); position: absolute; top: 50%; left: 50%;">COPY</div> <div style="display: flex; justify-content: space-between;"> <div> <b>CALCULATION OF PRESCRIBED FEES</b> </div> </div>	
1. Preliminary examination fee .....	600.00 <span style="border: 1px solid black; padding: 0 5px;">P</span>
2. Handling fee ( <i>Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.</i> ) .....	173.00 <span style="border: 1px solid black; padding: 0 5px;">H</span>
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box .....	<div style="border: 1px solid black; padding: 5px; display: inline-block;">         773.00  <b>TOTAL</b> </div>
<b>MODE OF PAYMENT</b>	
<input checked="" type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash
<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps
<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons
<input type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):
<b>AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT</b> <i>(This mode of payment may not be available at all IPEAs)</i>	
<input checked="" type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ <u>US</u>
<input checked="" type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit accounts of the IPEAs so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit Account No.: <u>20-1430</u>
	Date: <u>26 May 2005</u>
	Name: <u>Beth L. Kelly</u>
	Signature: 